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     (FILE 'HOME' ENTERED AT 15:50:55 ON 19 JAN 2006)

     FILE 'AGRICOLA, BIOSIS, CAPLUS, EMBASE' ENTERED AT 15:51:06 ON 19 JAN 2006
L1          3111 S PLANT AND PATHOGEN AND TRANSCRIPTION
L2           151 S L1 AND (WRKY OR BZIP)
L3            26 S L2 AND ZINC
L4            13 DUP REM L3 (13 DUPLICATES REMOVED)

     FILE 'STNGUIDE' ENTERED AT 15:59:06 ON 19 JAN 2006

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L4 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2002:487762 CAPLUS
DN 137:60475
TI **WRKY** genes for **transcription** factor related proteins and their use in improving **plant** disease resistance
IN Lippok, Bernadette; Sommsich, Imre
PA Max-Planck-Gesellschaft Zur Foerderung Der Wissenschaften E.V., Germany
SO PCT Int. Appl., 79 pp.
CODEN: PIXXD2
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002050293	A2	20020627	WO 2001-DE4877	20011221
	WO 2002050293	A3	20021219		
	W: AU, CA, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
	DE 10063986	A1	20020627	DE 2000-10063986	20001221
	AU 2002031574	A5	20020701	AU 2002-31574	20011221
PRAI	DE 2000-10063986	A	20001221		
	WO 2001-DE4877	W	20011221		

L4 ANSWER 8 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2006) on STN DUPLICATE 5
AN 2003:30020 AGRICOLA
DN IND23324280
TI Potentiation of developmentally regulated **plant** defense response by AtWRKY18, a **pathogen**-induced Arabidopsis **transcription** factor.
AU Chen, C.; Chen, Z.
AV DNAL (450 P692)
SO Plant physiology, June 2002. Vol. 129, No. 2. p. 706-716
CODEN: PLPHAY; ISSN: 0032-0889
NTE Includes references
CY Maryland; United States
DT Article; Conference
FS Other US
LA English

L4 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2000:702805 CAPLUS
DN 134:142574
TI A potato gene encoding a **WRKY**-like **transcription** factor is induced in interactions with Erwinia carotovora subsp. atroseptica and Phytophthora infestans and is coregulated with class I endochitinase expression
AU Dellagi, Alia; Heilbronn, Jacqueline; Avrova, Anna O.; Montesano, Marcos; Palva, E. Tapio; Stewart, Helen E.; Toth, Ian K.; Cooke, David E. L.; Lyon, Gary D.; Birch, Paul R. J.
CS Unit of Mycology, Bacteriology and Nematology, Scottish Crop Research Institute, Dundee, DD2 5DA, UK
SO Molecular Plant-Microbe Interactions (2000), 13(10), 1092-1101
CODEN: MPMIEL; ISSN: 0894-0282
PB APS Press
DT Journal
LA English
RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 11 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2006) on STN

AN 2001:854 AGRICOLA
DN IND22071625
TI Isolation and characterization of two **pathogen**- and salicylic acid-induced genes encoding **WRKY** DNA-binding proteins from tobacco.
AU Chen, C.; Chen, Z.
SO Plant molecular biology, Jan 2000. Vol. 42, No. 2. p. 387-396
Publisher: Dordrecht : Kluwer Academic Publishers.
CODEN: PMBIDB; ISSN: 0167-4412
NTE Includes references
CY Netherlands
DT Article
FS Non-U.S. Imprint other than FAO
LA English

L4 ANSWER 12 OF 13 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN DUPLICATE 7
AN 1999:490345 BIOSIS
DN PREV199900490345
TI Early nuclear events in **plant** defence signalling: Rapid gene activation by **WRKY transcription** factors.
AU Eulgem, Thomas; Rushton, Paul J.; Schmelzer, Elmon; Hahlbrock, Klaus; Somssich, Imre E. [Reprint author]
CS Abteilung Biochemie, Max Planck-Institut fuer Zuechtungsforschung, Carl-von-Linne Weg 10, D-50829, Koeln, Germany
SO EMBO (European Molecular Biology Organization) Journal, (Sept. 1, 1999) Vol. 18, No. 17, pp. 4689-4699. print.
CODEN: EMJODG. ISSN: 0261-4189.
DT Article
LA English
ED Entered STN: 16 Nov 1999
Last Updated on STN: 16 Nov 1999

L4 ANSWER 13 OF 13 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
AN 1998:386729 BIOSIS
DN PREV199800386729
TI **Zinc**-finger **transcription** factors in **plants**.
AU Takatsuji, H. [Reprint author]
CS Lab. Dev. Biology, National Inst. Agrobiological Resources, 2-1-2 Kannondai, Tsukuba, Ibaraki 305, Japan
SO CMLS Cellular and Molecular Life Sciences, (June, 1998) Vol. 54, No. 6, pp. 582-596. print.
ISSN: 1420-682X.
DT Article
General Review; (Literature Review)
LA English
ED Entered STN: 10 Sep 1998
Last Updated on STN: 10 Sep 1998

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L4 ANSWER 13 OF 13 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN

TI **Zinc**-finger **transcription** factors in **plants**.

AB Several classes of **zinc**-finger motifs are present in **transcription** factors and function as parts of DNA-binding and protein-protein interaction domains. Most of the known classes of **zinc**-finger motifs earlier identified in other eucaryotes have also been found in a number of (putative) **transcription** factors in **plants**. In addition, some novel classes of **zinc** fingers have been identified in **plants**. Many of these proteins have been implicated in the regulation of important biological processes that are unique to **plants**, such as flower development, light-regulated morphogenesis and **pathogen** responses. Thus, **plants** seem to have adopted pre- existing prototype **zinc** -finger motifs as well as generated new **zinc**-finger domains to adapt them to various regulatory processes. Detailed analyses of TFIIIA-type **plant zinc**-finger proteins revealed unique manners of interactions with target DNA sequences, i.e. recognition of spacing, suggesting that **plants** have developed unique mechanisms even when prototype functional motifs were adopted. In this review, attempts were made to summarize the current knowledge of (putative) **zinc**-finger **transcription** factors according to a structure-based classification, in view of their involvement in specific regulatory processes and interaction with target DNA. . .

IT Major Concepts
Biochemistry and Molecular Biophysics; Molecular Genetics (Biochemistry and Molecular Biophysics)

IT Chemicals & Biochemicals
protein-protein interaction domain; **zinc**-finger **transcription** factor: TFIIIA type; DNA binding with one finger protein; DNA: binding; EPF protein; GATA1-like protein; LIM protein; PHD-finger protein; RING-finger protein; SUPERMAN protein; **WRKY** protein

ORGN Classifier
Plantae 11000
Super Taxa
Plantae
Organism Name
plant
Taxa Notes
Plants

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
1	BRS	L2	47	wrky and pathogen	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/01/19 14:29	
2	BRS	L3	47	l2 and plant	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/01/19 14:31	
3	BRS	L4	19139	transcription adj factor	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/01/19 14:31	
4	BRS	L5	8851	l4 and plant	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/01/19 14:32	
5	BRS	L6	145	l5 and pathogen.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/01/19 14:32	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
6	BRS	L7	90	16 and plant.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/01/19 14:32	